#include <iostream>

#include <string>

using namespace std;

int main ()

{

string ans;

string inf,x="",I="abcdefghijklmnopqrstuvwxyz";

string decryption1;

int m,i,j,k,l;

cout << "Do you want to encrypt or decrypt? \n For encrypt press 1 and for decrypt press 2 \n";

cin >> ans;

if (ans == "1")

{

cout << "enter information for encryption \n";

cin>>inf;

cout << "how many alphabets you want to move by: \n";

cin>>m;

for( i=0;i<inf.length();i++)

{

for( j=0;j<26;j++)

{

if(inf[i]==I[j])

{

if((j+m)>25)

{

int t=(j+m-1)-25;

x+=I[t];

}

else

{

x+=I[j+m];

}

}

}

}

cout<<"Encryption : "<<x;

}

x="";

if (ans == "2")

{

cout << "enter information to decrypt \n";

cin>>inf;

cout << "how many alphabets you want to move by: \n";

cin>>m;

for( k=0;k<inf.length();k++)

{ // cout<<"\ns2 : "<<s2[k];

for( l=0;l<26;l++)

{

if(inf[k]==I[l])

{

if(l-m<0)

{

int t=(l-m)-(2\*(l-m));

x+=I[26-t];

}

else

{

x+=I[l-m];

}

}

}

}

cout<<"Decryption : "<<x;

}

return 0;

}